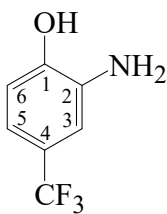




>> Name: **2-Amino-4-(trifluoromethyl)phenol**, 9CI

Synonym(s): 2-Amino- $\alpha,\alpha,\alpha$ -trifluoro-*p*-cresol, 8CI. 3-Amino-4-hydroxybenzotrifluoride



CAS Registry Number: 454-81-9

Related CAS Registry Numbers(s): 112250-01-8

Molecular Formula:  $C_7H_6F_3NO$

Molecular Weight: 177.126

Accurate Mass: 177.040148

Percentage Composition: C 47.47%; H 3.41%; F 32.18%; N 7.91%; O 9.03%

Melting Point: Mp 218-220°

>>Derivative: Me ether

Synonym(s): 2-Methoxy-5-(trifluoromethyl)aniline. 5-(Trifluoromethyl)-*o*-anisidine

CAS Registry Number: 349-65-5

Molecular Formula:  $C_8H_8F_3NO$

Molecular Weight: 191.153

Accurate Mass: 191.055798

Percentage Composition: C 50.27%; H 4.22%; F 29.82%; N 7.33%; O 8.37%

Physical Description: Plates (petrol)

Melting Point: Mp 59°

Aldrich: 33659-9

>>Derivative: Me ether, *N*-Ac

CAS Registry Number: 40622-64-8

Molecular Formula:  $C_{10}H_{10}F_3NO_2$

Molecular Weight: 233.19

Accurate Mass: 233.066363

Percentage Composition: C 51.51%; H 4.32%; F 24.44%; N 6.01%; O 13.72%

Physical Description: Needles (EtOH)

Melting Point: Mp 84°

#### References:

Brown, J.H. *et al.*, *J.C.S.*, 1949, 595, (*Me ether derivs*)

Mitsuo, K. *et al.*, *Kogyo Kagaku Zasshi*, 1959, **62**, 227; *CA*, **57**, 989, (*synth*)